

AMENDMENTS TO THE CLAIMS:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method for constructing a high rise building having a core and a residence space around the core, the method comprising the steps of:

- (a) installing a steel-frame pillar on a shaft portion of the core;
- (b) connecting a girder to the steel-frame pillar, the girder includes an anchor-connecting member to which a steel-frame beam is connected, a portion of the anchor-connecting member being buried in a wall of the core;
- (c) assembling the steel-frame beam on the anchor-connecting member;
- (d) installing a deck plate on the steel-frame beam, and mounting a reinforcing bar on the wall of the core; and
- (e) applying concrete for a slab and concrete for the wall of the core simultaneously or in this order

wherein the anchor-connecting member comprises a connecting member connected to the girder by welding or bolts, an anchor plate connected to the connecting member by welding or bolts, a gusset plate welded on the anchor plate, and a stud or shear connector extended from the anchor plate to a concrete wall and buried in concrete.

2. (Previously Presented) The method of claim 1, further comprising the step of: installing a sub-connecting member for supporting the deck plate on the

girder between more than one steel-frame pillar, the sub-connecting member comprises a connecting member coupled to the girder and a supporting member coupled to one end of the connecting member.

3. (Canceled)

4. (Previously Presented) The method of claim 1, wherein the step (c) further comprises the steps of forming a slot hole on the anchor-connecting member and coupling a high tensioned bolt in the slot hole to be assembled on the steel-frame beam.

5. (Previously Presented) The method of claim 2, wherein the deck plate is supported by the sub-connecting member and located adjacent to a top side of the sub-connecting member.